

GUIDELINES FOR TRAFFIC SIGNAL CONTROLLERS AND INSPECTION

Privately funded projects without a Cooperative Agreement - Project proponent pays costs for Department furnished controller assembly.

The following are examples of the equipment costs associated with Model 170 Traffic control equipment on State Highways. These costs are updated annually, if necessary, after determining the average actual cost for the State to acquire, test, stock and ship the equipment to the local District. For additional equipment and their associated costs, please see the attached price list on pages 3 to 7.

These costs should be included in the deposit prior to the issuance of the contractor's encroachment permit. In cases where there is a long lead-time before starting work, these costs may be submitted immediately prior to performing work on a signal system.

Districts should determine and charge additional fees covering the actual cost to deliver, install, inspect, and turn on traffic signal controllers.

****Model 170E Controller Assembly WITH Battery Back Up System \$6,800.00***

- 1 - Model 170E Controller
- 1 - Model 332A Cabinet
- 12 - Model 222 Two Channel Detectors
- 3 - Model 242 Dual Isolation Module
- 12 - Model 200 Switch Packs
- 1 - Battery Back Up System (BBS) (External Batteries)
- 1 - BBS Cabinet External Batteries

****Model 170E Controller Assembly WITHOUT Battery Back Up System \$4,800.00***

- 1 - Model 170E Controller
- 1 - Model 332A Cabinet
- 12 - Model 222 Two Channel Detectors
- 3 - Model 242 Dual Isolation Module
- 12 - Model 200 Switch Packs

Projects involving Cooperative Agreements - Project proponent pays costs for Department furnished controller assembly

The traffic signal controllers, and all other actual costs incurred by Caltrans, are charged against the appropriate Cooperative Agreement Expenditure Authorization. When there is State participation in the project, the State's share of the actual costs of the project will be reduced by the actual cost of the controllers, which include controller fee, testing costs and any other mandatory charges.

Procedures to order controller assemblies from the State warehouse

To allow time for delivery to the District, controller assemblies shall be ordered from the Sacramento warehouse a minimum of 10 working days before a permittee plans to pick up an assembly in the district (controller not included). Caltrans Maintenance or Traffic staff will deliver actual controllers and auxiliary equipment to job sites at the time of a scheduled signal turn on.

Charges for Encroachment Permit projects

As each controller assembly is ordered, the districts shall instruct the Caltrans warehouse in Sacramento to charge the equipment to the Encroachment Permit Expenditure Authorization (EA) 937700, using Subjob 3EPIC and Object Code 118. A Special Designation (SD) of 7CONTROL must also be used if the permittee has paid a fee for the equipment.

Charges for Cooperative Agreement projects

For Cooperative Agreement projects, the district should instruct the warehouse to charge the equipment to the appropriate Cooperative Agreement EA, with any applicable SD identified for the project (do not use an Encroachment Permit EA or SD on these Cooperative Agreement Project

FEES FOR TRAFFIC SIGNAL CONTROLLERS AND INSPECTION

TYPE OF PROJECT	PROJECT FEE PAYMENTS		
	CONTROLLER	INSPECTION	DELIVERY AND INSTALLATION
PRIVATELY FUNDED	YES	YES	YES
LOCALLY FUNDED W/O AGREEMENT	YES (Paid by Contractor)	YES (Paid by Contractor)	YES (Paid by Contractor)
JOINT FUNDED PROJECTS WITH COOPERATIVE AGREEMENTS	YES (As part of State Contribution and Charged to Coop EA)	YES (As part of State Contribution and Charged to Coop EA)	YES (As part of State Contribution and Charged to Coop EA)
100% SPECIAL FUNDED PROJECTS WITH AGREEMENTS	YES (Charged to Coop EA)	YES (Charged to Coop EA)	YES (Charged to Coop EA)

May 2004

MODEL 170/2070 TRAFFIC CONTROL EQUIPMENT

<u>ITEM NUMBER NAME</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE*</u> <u>(Approximate)</u>
7440 0100 1 Cabinet	Model 334C Cabinet for Type 170 Controller	\$2,422.00
7440 0102 5 PDA 2	Power Distribution Assembly 2	\$559.00
7440 0103 7 PDA 3	Power Distribution Assembly 3	\$497.00
7440 0130 4 Modem	Model 400 Modem	\$85.00
7440 0131 6 Harness	C2P Modem Interconnect Harness	\$25.00
7440 0134 2 Comm Card	Model 7A Communication Card	\$
7440 0136 7 Modem	Model 6A Modem (Model 2070)	\$
7440 0137 9 Modem	Model 6B Modem (Model 2070)	\$
7440 0173 4 Controller	Type 170E Controller Quad ACIA	\$827.00
7440 0175 9 CMS	Changeable Message Sign (CMS) Model 500 System	\$38,549.00
7440 0177 3 CMS Cabinet	Model 500 CMS Cabinet	\$4,620.00
7440 0179 7 Cabinet	Model 332A Cabinet for Type 170 Controller Unit	\$3,032.00
7440 0181 1 CMS	Changeable Message Sign Model 510 System	\$38,700.00

NOTE: All items are expressed in unit or each. *Mark up has been applied.
0 % (SVS 218 - 12/04/03)

MODEL 170/2070 TRAFFIC CONTROL EQUIPMENT

7440 0188 6 CMS	Model 520 CMS System	\$46,701.00
7440 0189 8 Controller	Model 2070L Controller	\$
7440 0196 3 Isolator	Model 252 RR Isolator 2 Channel AC (includes harness)	\$45.00
7440 0290 2 Switch Pack	Model 200 Switch Pack	\$16.00
7440 0330 8 Monitor	Model 210 Monitor	\$193.00
7440 0332 2 Monitor	Model 208 Monitor Unit	\$92.00
7440 0350 0 Detec-2	Model 222 Dual Loop Vehicle Detector	\$43.00
7440 0400 7 Probe	Model 231 Magnetic Detector Probe	\$81.00
7440 0430 0 Det.-Amp	Model 232 (E) Dual Magnetic Detector Amplifier Module	\$436.00
7440 0475 5 Isolator 2	Model 242 Dual Isolation Module D.C.	\$23.00
7440 0550 5 Auxifile	Output File #2 (Model 420)	\$278.00
7440 0560 6 Flasher	Model 204 Flasher Unit	\$17.00
7440 0575 8 PWR Supply	Model 206 Power Supply Module	\$189.00
7440 0576 0 Module	System Module Model 412/C	\$105.00
7440 0580 8 PROM	Ultra Violet Erasable Programmable - Read Only Memory UVE 27-128	\$3.16

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7440 0581 0 PROM	UVE PROM 27256	\$2.24
7440 0611 5 DDA-4	Power Distribution Assembly 4 for CMS	\$744.00
7440 0613 9 Harness	Harness #4 for Model 500 CMS	\$1,022.00
7440 0614 1 Harness #5	Harness #5 for Model 500 CMS	\$344.00
7440 0615 4 Harness #1	Harness #1 for CMS	\$190.00
7440 0616 6 PMM	Pixel Matrix Module Model 510 CMS	\$271.00
7440 0618 0 PMM	Pixel Matrix Module Model 500 CMS	\$142.00
7440 0619 2 Transformer	Transformer 5KVA for CMS	\$298.00
7440 0620 4 Up Hand	LED Ped Signal Face Upraised Hand	\$78.00
7440 0623 0 LED	200mm LED 8" Green Ball Type 1 Plug In Base	\$59.00
7440 0625 5 LED	200mm LED 8" Yellow Ball Type 1 Plug In Base	\$68.00
7440 0627 9 LED	200mm LED 8" Red Ball Type 1 Plug In Base	\$33.00
7440 0629 3 LED	300mm LED 12" Green Ball Type 1 Plug In Base	\$101.00
7440 0630 5 LED	300mm LED 12" Red Ball Type 1 Plug In Base	\$49.00

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MODEL 170/2070 TRAFFIC CONTROL EQUIPMENT

7440 0634 3 LED	300mm LED Green Arrow Type 1 Plug In Base	\$70.00
7440 0635 6 Arrow	300mm LED 12" Arrow Red Type 1 Plug In Base	\$42.00
7440 0655 8 LED	300mm LED 12" Yellow Ball Type 1 Plug In Base	\$64.00
7440 0656 0 LED	300mm LED 12" Yellow Arrow Type 1 Plug In Base	\$39.00
7440-0657-2 LED	300mm LED 12" PV Green Type 2 Screw In Base (6" for 12" Head)	\$88.00
7440-0658-4 LED	300mm LED 12" PV Yellow Type 2 Screw Base (6" for 12" Head)	\$72.00
7440-0659-6 LED	300mm LED 12" PV Red Type 2 Screw In Base (6" for 12" Head)	\$41.00
7440 0670 9 LED	Ped Signal Face (combination) Module	\$110.00
7440-0672-3 CABI	BBS Cabinet External Batteries	\$605.00
7440 0673 5 BBS	Battery Back Up System (External Battery)	1,495.00

FUTURE ITEMS:

7440 0660 8 LED	300mm LED 12" Green Bicycle Type 1 Plug In Base	
7440 0661 0 LED	300mm LED 12" Yellow Bicycle Type 1 Plug In Base	
7440 0662 2 LED	300mm LED 12" Red Bicycle Type 1 Plug In Base	
7440 0663 4 LED	300mm LED 12" Lane Control Type 1 Plug In Base	

*NOTE: PV = Programmed Visibility

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0 % (SVS 218 - 12/04/03) File: Model 170EquipList.12/03